

From glowbugs@theporch.com Sun Jul 7 22:05:41 1996
Return-Path: glowbugs@theporch.com
Received: from uro (localhost.theporch.com [127.0.0.1]) by uro.theporch.com
(8.7.5/AUX-3.1.1) with SMTP id WAA21380; Sun, 7 Jul 1996 22:00:09 -0500 (CDT)
Date: Sun, 7 Jul 1996 22:00:09 -0500 (CDT)
Message-Id: <199607080300.WAA21380@uro.theporch.com>
Errors-To: ws4s@midtenn.net
Reply-To: glowbugs@theporch.com
Originator: glowbugs@theporch.com
Sender: glowbugs@theporch.com
Precedence: bulk
From: glowbugs@theporch.com
To: Multiple recipients of list <glowbugs@theporch.com>
Subject: GLOWBUGS digest 229
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
X-Comment: Please send list server requests to listproc@theporch.com
Status: 0

GLOWBUGS Digest 229

Topics covered in this issue include:

- 1) Re: AC on the Chassis
by wrt@eskimo.com (Bill Turner)
- 2) change of address
by N4HUR@aol.com
- 3) Boonton Q meter
by N4HUR@aol.com
- 4) Re: AC on the Chassis
by Bob Roehrig <broehrig@admin.aurora.edu>

Date: Sun, 07 Jul 1996 04:08:41 GMT
From: wrt@eskimo.com (Bill Turner)
To: EricNess@aol.com
Cc: Multiple recipients of list <glowbugs@theporch.com>
Subject: Re: AC on the Chassis
Message-ID: <31df37b8.21661914@mail.eskimo.com>

On Sat, 6 Jul 1996 21:56:55 -0500 (CDT), you wrote:

>The other day I disconnected the antenna from my one tube 6AQ5A "Little
>Whooper" and left it sitting on my desk plugged. In this condition the
>chassis was not grounded since I was lazy and relied on shield of the antenna
>coax for ground. By chance I brushed up against the chassis of the "Whooper"
>and was nipped. I pulled out a Volt meter and measured 70 Volts AC from the
>chassis to ground.

>
>How can this happen when the AC line is isolated from the chassis via a
>transformer? Is it possible that there is leakage from the primary of the
>transformer to the core/metal frame? If this is the source of leakage, is
>this sort of thing common? Will I be OK by simply grounding the chassis or
>is the transformer a disaster waiting to happen? Any advice from the group
>would be appreciated.

>
>73's,
>
>Eric WD6DGX
>
>

Your guess was right on. This kind of leakage is quite common and is the reason any appliance with conductive parts on the exterior should be grounded. You can see the same effect on motors due to the capacitance between the windings and the frame. Stand on a damp concrete floor and touch an ungrounded washing machine and you'll see what I mean...

73, Bill W7LZP
wrt@eskimo.com

Date: Sun, 7 Jul 1996 16:24:39 -0400
From: N4HUR@aol.com
To: glowbugs@theporch.com
Subject: change of address
Message-ID: <960707162439_571509037@emout10.mail.aol.com>

Sorry to post this to the group, but I don't know the proper way.

Can someone tell me how to get my E-mail address for the list changed?

>From n4hur@aol.com

To w4aos@aol.com

Yep, got my original call back courtesy of vanity program.

Bob W4AOS w4aos@aol.com

Date: Sun, 7 Jul 1996 16:23:49 -0400
From: N4HUR@aol.com
To: glowbugs@theporch.com

Subject: Boonton Q meter

Message-ID: <960707162348_571509087@emout07.mail.aol.com>

Nice post on QRP-L re the Boonton 260A Q meter by Mike Czuhajewski
wa8mcq@ul.abs.net. Its very long, so won't repost it.

I have had one for several years and Mike is correct, it is very valuable to the homebrewer working with r.f. circuits.

In his post Mike discusses a replacement tube for the voltmeter circuit in the 260. Boonton used a selected tube of some sort with their own number on it. Mike says he believes that the 2A6 is a satisfactory replacement. The tube is used in an "infinite impedance detector" circuit. I suspect that Boonton selected the tubes on the basis of low input conductance.

Does anyone on the list have any more information on the selection criteria, or can anyone confirm the suitability of the 2A6 as a replacement?

Thanks Bob W4AOS w4aos@aol.com

Date: Sun, 7 Jul 1996 21:21:40 -0500 (CDT)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: EricNess@aol.com
Cc: Multiple recipients of list <glowbugs@theporch.com>
Subject: Re: AC on the Chassis
Message-ID: <Pine.ULT.3.94.960707211956.16311B-100000@admin.aurora.edu>

On Sat, 6 Jul 1996 EricNess@aol.com wrote:

> The other day I disconnected the antenna from my one tube 6AQ5A "Little
> Whooper" and left it sitting on my desk plugged. In this condition the
> chassis was not grounded since I was lazy and relied on shield of the antenna
> coax for ground. By chance I brushed up against the chassis of the "Whooper"
> and was nipped. I pulled out a Volt meter and measured 70 Volts AC from the
> chassis to ground.
>
> How can this happen when the AC line is isolated from the chassis via a
> transformer? Is it possible that there is leakage from the primary of the
> transformer to the core/metal frame? If this is the source of leakage, is
> this sort of thing common? Will I be OK by simply grounding the chassis or
> is the transformer a disaster waiting to happen? Any advice from the group
> would be appreciated.

Well, the transformer could be leaky. But I'd also look and see if there are bypass capacitors anywhere from the AC line to chassis. If there are, replace them. (I usually remove them completely and don't replace them).

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

End of GLOWBUGS Digest 229
